# 6-104935-9 ✔ ACTIVE

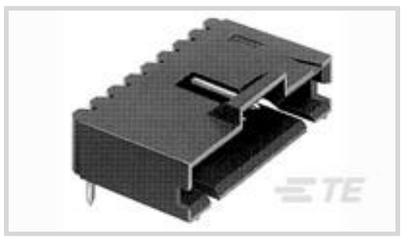
AMPMODU | AMPMODU MTE

TE Internal #: 6-104935-9

PCB Mount Header, Right Angle, Wire-to-Board, 20 Position, 2.54 mm [.1 in] Centerline, Fully Shrouded, Gold, Through Hole - Solder, AMPMODU MTE

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Connectors > PCB Connectors > PCB Headers & Receptacles



Connector System: **Wire-to-Board**

Number of Positions: **20**

Number of Rows: **1**

Centerline (Pitch): **2.54 mm [ .1 in ]**

PCB Mount Orientation: **Right Angle**

## Features

### Product Type Features

| | |
|---|---|
| Connector System | Wire-to-Board |
| Header Type | Fully Shrouded |
| Sealable | No |
| Connector & Contact Terminates To | Printed Circuit Board |
| PCB Connector Assembly Type | PCB Mount Header |

### Configuration Features

| | |
|---|---|
| Number of Positions | 20 |
| Number of Rows | 1 |
| PCB Mount Orientation | Right Angle |

### Electrical Characteristics

| | |
|---|---|
| Termination Resistance | 15 mΩ |
| Insulation Resistance | 5000 MΩ |
| Dielectric Withstanding Voltage (Max) | 600 V |

### Body Features

| | |
|---|---|
| Primary Product Color | Black |

### Contact Features

| | |
|---|---|
| Contact Mating Area Length | 5.84 mm[.23 in] |
| Mating Square Post Dimension | .64 mm[.025 in] |

| | |
|---|---|
| PCB Contact Termination Area Plating Material Thickness | 2.54 – 5.08 µm[100 – 200 µin] |
| Contact Mating Area Plating Material Thickness | .381 µm[30 µin] |
| PCB Contact Termination Area Plating Material Finish | Matte |
| Contact Shape & Form | Square |
| PCB Contact Termination Area Plating Material | Tin |
| Contact Base Material | Brass |
| Contact Mating Area Plating Material | Gold |
| Contact Type | Pin |
| Contact Current Rating (Max) | 3 A |

## Termination Features

| | |
|---|---|
| Square Termination Post & Tail Dimension | .64 mm[.025 in] |
| Termination Post & Tail Length | 3.3 mm[.13 in] |
| Termination Method to PCB | Through Hole - Solder |

## Mechanical Attachment

| | |
|---|---|
| Mating Alignment Type | Latched, Polarization |
| Mating Retention | With |
| Mating Retention Type | Polarized Lock |
| Connector Mounting Type | Board Mount |
| Mating Alignment | With |
| PCB Mount Alignment | Without |
| PCB Mount Retention | Without |

## Housing Features

| | |
|---|---|
| Housing Material | Thermoplastic |
| Centerline (Pitch) | 2.54 mm[.1 in] |

## Dimensions

| | |
|---|---|
| Connector Length | 53.34 mm[2.1 in] |
| Connector Height | 6.99 mm[.275 in] |
| PCB Thickness (Recommended) | 1.57 mm[.062 in] |

## Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -65 – 105 °C[-85 – 221 °F] |

## Operation/Application

| | |
|---|---|
| Circuit Application | Signal |

## Industry Standards

| | |
|---|---|
| Compatible With Approved Standards Products | CSA LR7189, UL E28476 |
| UL Flammability Rating | UL 94V-0 |

## Packaging Features

| | |
|---|---|
| Packaging Quantity | 10 |
| Packaging Method | Box, Tube |

## Product Compliance

For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant |
| EU ELV Directive 2000/53/EC | Compliant |
| China RoHS 2 Directive MIIT Order No 32, 2016 | No Restricted Materials Above Threshold |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2024 (241)<br>Candidate List Declared Against: JUNE 2024 (241)<br>Does not contain REACH SVHC |
| Halogen Content | Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free |
| Solder Process Capability | Reflow solder capable to 260°C |

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: https://echa.europa.eu/guidance-documents/guidance-on-reach

## Compatible Parts



TE Part # 1-103641-9
20 MTE RCPT SR LATCH .100CL



TE Part # 1-103645-9
20 MTE RCPT SR LATCH .100CL

## Also in the Series | AMPMODU MTE



Connector Caps & Covers(40)



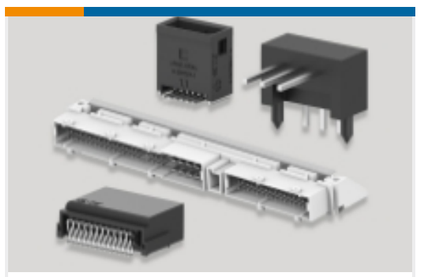
Connector Contacts(32)



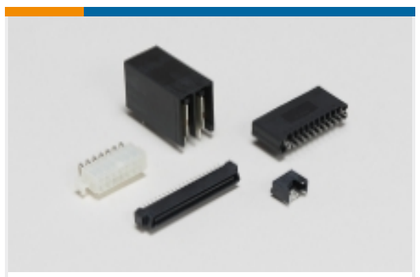
Connector Hardware(1)



Insertion & Extraction Tools(1)



PCB Headers & Receptacles(763)



Standard Rectangular Connectors(2)



Wire-to-Board Connector Assemblies & Housings(585)

## Customers Also Bought



TE Part #CONSMA002-SMD-G
SMA Jack 50 Ohm PCB Surface Mount

## Documents

### Product Drawings

20 MTE HDR SRRA LTCH.100CL LF

English

### CAD Files

3D PDF

3D

### Customer View Model

ENG_CVM_CVM_6-104935-9_K.2d_dxf.zip

English

### Customer View Model

ENG_CVM_CVM_6-104935-9_K.3d_igs.zip

English

### Customer View Model

ENG_CVM_CVM_6-104935-9_K.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

## Datasheets & Catalog Pages

AMPMODU_INTERCONNECTION_SYSTEM_SECTION5_CONT

English

AMPMODU MTE INTERCONNECT SYSTEM

English

## Product Specifications

### Application Specification

English